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INTERNATIONAL PRELIMINARY EXAMINATION REPORTS

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P50360	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/month/year)		Priority date (day/month/year)				
PCT/US03/16876	29 May 2003 (29.05.2003)						
International Patent Classification (IPC)			06 June 2002 (06.06.2002)				
IPC(7): CO7D 333/52; A61K 31/381 and US Cl.: 549/51, 57; 514/443							
Applicant							
SMITHKLINE BEECHAM CORPORAT	TION						
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total of $\underline{3}$ sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of a	total of <u>U</u> sheets.						
3. This report contains indica	ations relating to the following	g items:					
I Basis of the repo	ort						
II Priority							
III Non-establishme	ent of report with regard to n	ovelty, inventive	step and industrial applicability				
IV Lack of unity of	finvention						
	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
VI Certain docume							
VII Certain defects							
Date of submission of the demand	Dat	Date of completion of this report					
17 December 2003 (17.12.2003)		January 2004 (28.	01.2004)				
Name and mailing address of the IPEA/US		horized officer	/				
Mail Stop PCT, Atm: IPEA/US Commissioner for Patents	් ජ	DUDING A	Bell-Harroft				
P.O. Box 1450 Alexandria, Virginia 22313-1450	Tele	ephone No. (703)	308-1235				
Facsimile No. (703)305-3230		- '					

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I	International application No.
I	PCT/US03/16876

I.	Bas	is of the report
1.	With	regard to the elements of the international application:*
	X	the international application as originally filed.
	X	the description:
	لكسكا	pages 1-29 as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	X	the claims:
	<u></u>	pages 30-32 , as originally filed
		pages NONE, as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE, filed with the letter of
	\bowtie	the drawings:
		pages NONE, as originally filed
		pages NONE, filed with the demand
		pages NONE, filed with the letter of
	\bowtie	the sequence listing part of the description:
		pages NONE, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.		h regard to the language, all the elements marked above were available or furnished to this Authority in the
		uage in which the international application was filed, unless otherwise indicated under this item.
	THE	se elements were available or furnished to this Authority in the following language which is:
	\square	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
	Ш	the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
3	Wit1	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
٥.	inter	rational preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
	Ц	filed together with the international application in computer readable form.
	Ц	furnished subsequently to this Authority in written form.
	\square	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
		international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4.	\boxtimes	The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go
		beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
this	repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). seplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/16876

					
V.	Reasoned statement under Rule 66.2(a)(ii) we citations and explanations supporting such st		d to novelty,	inventive step or industrial applicability	7;
1.	STATEMENT				
	Novelty (N)	Claims	1-17	Y	ES
		Claims	NONE	N	Ю
	Inventive Step (IS)	Claims	1-17	Y	ES
		Claims	NONE	N	Ю
	Industrial Applicability (IA)	Claims	1-17		ES
		Claims	NONE	N	10

2. CITATIONS AND EXPLANATIONS

The invention relates to compounds and methods of using such compounds to treat diseases with aminothiophene inhibitors of IKK-beta phosphorylation of IkB. Considering the prior art cited (US 4,782,080 and US 6,018,056) in the International search report, claims 1-17 of this invention is novel. The closest prior art of record is Witzel et al (US 4,782,080). Claims 1-17 meet the criteria set out in PCT rticle 33(2)-(4), because the prior art do not teach or fairly suggest a method of inhibiting pathological activation of the transcription factor NF-kB using amino benzothiophene compounds as described in this application.

Form PCT/IPEA/409 (Box V) (July 1998)